Vacuum Cleaning Robot
user manual

* Before operating this unit, please read the instructions carefully.
* For indoor use only.

English

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SAMSUNG

SAFETY INFORMATION

WARNING • Before operating the appliance, please read this manual thoroughly and retain it for your reference.

WARNING • Because these following operating instructions cover various models, the characteristics of your vacuum cleaner may differ slightly from those described in this manual.

CAUTION/WARNING SYMBOLS USED

WARNING	Indicates that a danger of death or serious injury exists.
CAUTION	Indicates that a risk of personal injury or material damage exists.

OTHER SYMBOLS USED

NOTE	Indicates that a risk of personal injury or material damage exists.

IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic precautions should be observed, including the following:

READ ALL INSTRUCTIONS BEFORE USING YOUR VACUUM CLEANING ROBOT.
Unplug from outlet when not in use and before conducting maintenance.

WARNING: to reduce the risk of fire, electric shock, or injury:

GENERAL

- Use only as described in this manual.
- Do not operate the vacuum cleaning robot or charger if it has been damaged in any way.
- If the cleaner is not working as it should, has been dropped, damaged, left outdoors, or dropped in water, return it to a customer care center.
- Do not handle the charger or vacuum cleaning robot with wet hands.
- Use only on dry, indoor surfaces.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

BATTERY CHARGER

- Do not modify the polarized plug to fit a non-polarized outlet or extension cord.
- Do not use outdoors or on wet surfaces.
- Unplug the charger from the outlet when not in use and before servicing.
- Use only the charger supplied by the manufacturer to recharge.
- Do not use with a damaged cord or plug.

- Do not pull or carry by the cord, use the cord as a handle, close the door on the cord, or pull the cord around sharp edges or corners. Keep the cord away from heated surfaces.
- Do not use extension cords or outlets with inadequate current carrying capacity.
- Do not unplug by pulling on the cord. To unplug, grasp the plug, not the cord.
- Do not mutilate or incinerate batteries as they will explode at high temperatures.
- Do not attempt to open the charger. Repairs should only be carried out by a qualified customer care centre.
- Do not expose the charger to high temperatures or allow moisture or humidity of any kind to come into contact with the charger.

VACUUM CLEANING ROBOT

- Do not pick up hard or sharp objects such as glass, nails, screws, coins, and etc.
- Do not use without a filter in place. When servicing the unit, never put fingers or other objects into the fan chamber in case the unit accidentally turns on.
- Do not put any objects into openings. Do not use with any openings blocked; keep openings free of dust, lint, hair, and anything that may reduce air flow.
- Do not pick up toxic materials (chlorine bleach, ammonia, drain cleaner, etc.).
- Do not pick up anything that is burning or smoke, such as cigarettes, matches, or hot ashes.
- Do not use to pick up flammable or combustible liquids such as gasoline, nor use on areas where they may be present.
- Do not use vacuum cleaning robot in an enclosed space filled with vapours given off by oil based paint, paint thinner, moth proofing substances, flammable dust, or other explosive or toxic vapours.
- Leaks from battery cells can occur under extreme usage or temperature conditions. If the liquid gets on skin, wash quickly with water. If the liquid gets into the eyes, flush them immediately with clean water for a minimum of 10 minutes. Seek medical attention.

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safety information

POWER RELATED

WARNING

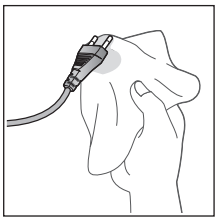
Do not bend the power cord forcefully or place a heavy object on it that could break it.

- This may result in fire or electric shock.

WARNING

Make sure to remove any dust or water from the power plug.

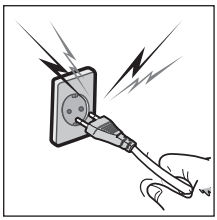
- Failing to do so may result in a malfunction or electric shock.



WARNING

Do not pull the power plug by the cord or touch the plug with wet hands.

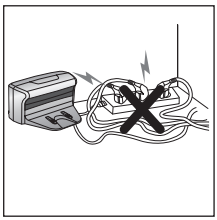
- This may result in fire or electric shock.



WARNING

Do not use multiple plugs in a single socket.
(Do not leave the cord lying exposed on the floor.)

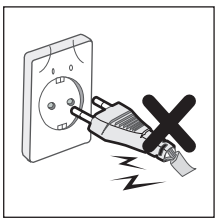
- This may result in fire or electric shock.



WARNING

Do not use a damaged power cord, plug, or a loose power outlet.

- This may result in fire or electric shock.

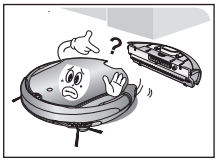


BEFORE USE

CAUTION

Before activating the vacuum cleaning robot, make sure that the dust bin is assembled.

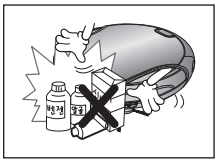
- If the dust bin is not inserted, vacuum cleaning robot will not operate.



CAUTION

Never use vacuum cleaning robot in locations with combustible material such as.

- Locations with candles or desk lamps on the floor.
- Locations with unattended fires (fire or embers).
- Locations with gasoline, distilled alcohol, thinner, ashtrays with burning cigarettes, etc.



CAUTION

Vacuum cleaning robot is for domestic use only. Do not use it in the following locations.

- Attics, basements, warehouses, industrial buildings, separate rooms distant from the main building, locations exposed to wet or damp conditions such as bathrooms or wash rooms, and narrow and highly situated locations such as tables or shelves. Critical damage (abnormal operation and breakage) may occur when used in these locations.

CAUTION

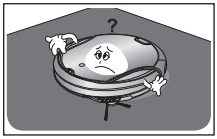
Open all doors to clean all rooms.

- When a door is closed, the vacuum cleaning robot will not be able to enter that room.
- However, make sure to close the doors to the main entrance, the veranda and the bathroom, and any other rooms where the vacuum cleaning robot may fall to a lower floor.

CAUTION

Do not use the cleaner on a black floor.

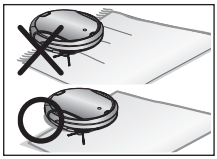
- The vacuum cleaning robot may not run normally in this case.



CAUTION

For carpets with long tassels, fold the tassels under the carpet.

- Unfolded tassels may result in critical damage to the carpet and the machine itself, as they get caught in the driving wheel or the power brush.

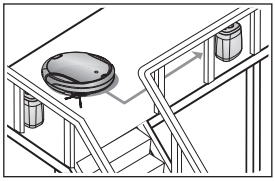


CAUTION

When the cliff sensor is polluted, the vacuum cleaning robot may be in danger of falling down the stairs.

This may cause personal injury and critical damage to the product.

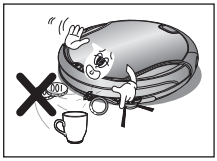
To prevent risk, install the VIRTUAL GUARDs (Fence Mode setting) in front of dagerous areas. Clean the sensor window and camera.



⚠ CAUTION

Remove small objects or brittle items from the area to be cleaned in advance.

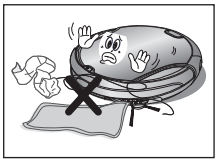
- Make sure to clear any objects before cleaning.
- Make sure to remove fragile items such as china, glass objects, flowerpots, etc.
- Vacuum cleaning robot does not recognize coins, rings or other valuable items such as jewelry.



⚠ CAUTION

Remove objects scattered on the floor before cleaning.

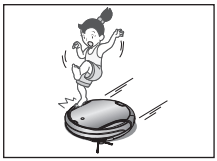
- Vacuum cleaning robot is designed to detect obstacles 5cm away from it.
- Bath towels, pads in front of bathrooms and sinks, entrances, utility rooms, power cords, table cloths or belts can become entangled in the driving wheel or power brush. This can cause objects to fall from the table.



⚠ CAUTION

Inform all family members (or relevant parties) to be cautious before cleaning or when using the Scheduled Cleaning Mode.

- Vacuum cleaning robot may run into children, causing them to fall.



⚠ CAUTION

Ensure that children do not step or sit on the vacuum cleaning robot.

- Children may fall and injure themselves or critical damage may occur to the product.

⚠ CAUTION

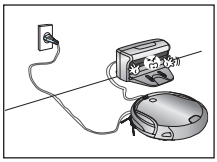
When a child or pet is left alone, make sure to turn off the Power Switch of the vacuum cleaning robot.

- Vacuum cleaning robot may attract their attention.
- When the rotating wheel or brush catches fingers, feet, clothing or hair, this may result in injury.
- If a child or pet is in the way of the vacuum cleaning robot, it may be identified as an obstacle and the area may not cleaned.
- When the Power Switch is turned off, it will cut off the power supply and deactivate all functions.

⚠ CAUTION

When installing the charger station, do not leave the power cord exposed on the floor.

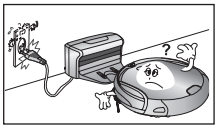
- When the vacuum cleaning robot automatically recharges or passes by the charger station, it may drag the power cord around with it.



⚠ CAUTION

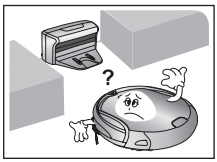
Always keep the power cord of the charger plugged into the outlet.

- Although the vacuum cleaning robot has a self-charging function, if the power cord of the charger station is unplugged, it cannot charge its battery automatically.



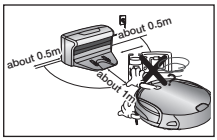
⚠ CAUTION **Install the charger in a location that can be easily accessed by the vacuum cleaning robot.**

- If the charger is installed in a corner, this may cause extra movements and may disturb the automatic recharging process.

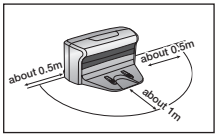


⚠ CAUTION **Objects in front of the charger will prevent the vacuum cleaning robot from auto-charging itself.**

- Clear the area.

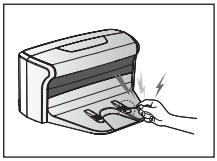


⚠ WARNING **There should be no obstacles and cliffs 0.5m to the left and right and within 1m of the front.**



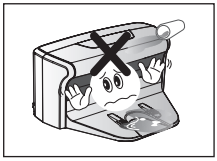
⚠ WARNING **Do not short-circuit the charge pins with metal objects such as chopsticks, screwdrivers, and etc.**

- This will result in critical damage to the charger.



⚠ WARNING **Make sure that there is no trace of liquids on the charger station.**

- Failing to do so may result in fire or electric shock.



⚠ WARNING **Make sure the vacuum cleaning robot does not vacuum or move over liquids such as water, oil or pet litter.**

- This may result in critical damage to the product.
- Liquids may spread through the wheels resulting in contamination.

⚠ WARNING **Do not use the charger for other purposes.**

- This may result in critical damage to the charger or cause a fire.

⚠ WARNING **Do not install the charger station on a dark floor.**

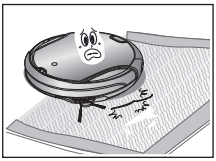
- If the floor where the charger station is installed is dark, it is hard for the vacuum cleaning robot to return to it.

IN USE

CAUTION

You cannot use the vacuum cleaning robot on thick carpets.

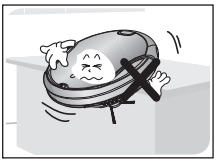
- This may result in problems with the vacuum cleaning robot.
- This may result in damage to carpets.



CAUTION

Do not use the vacuum cleaning robot on a table or other high locations.

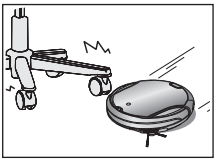
- This may result in damage when the unit accidentally drops.



CAUTION

Vacuum cleaning robot may bump into furniture such as chair legs, table legs, thin and long furniture, etc. while operating.

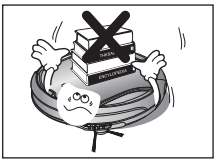
- For a quicker and cleaner performance, place the chairs on top of the table.



CAUTION

Do not place any objects on top of the vacuum cleaning robot.

- This may result in malfunction.



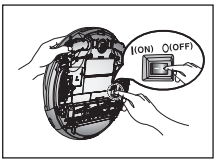
CAUTION

Immediately remove any large pieces of paper or plastic bags from the machine while cleaning.

- Using the machine for an extended period of time with its inlet port obstructed may result in critical damage to the product.

WARNING

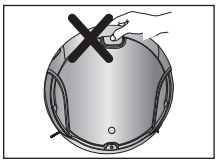
If an unusual sound, smell or smoke is emitted from the vacuum cleaning robot, immediately turn off the Power Switch and call the customer care center.



CAUTION

Do not move the robotic vacuum cleaner holding the dustbin part.

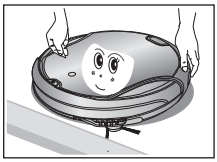
- This may cause the dustbin to separate, resulting in injury or serious damage to the product.



NOTE

Vacuum cleaning robot may not be able to continue its operation if it is stuck at the entrance or veranda doorsill.

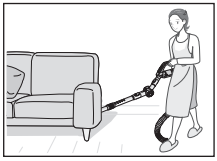
- To resume operating, turn the Power Switch off and then on again after moving it to a location where it can continue cleaning.



NOTE

Vacuum cleaning robot cannot completely clean locations that it cannot reach, such as corners, and spaces between sofas and walls.

- Please clean these locations occasionally.



NOTE

Dust clusters may remain after cleaning, when the vacuum cleaning robot fails to pick up dust clusters that were formed while cleaning.

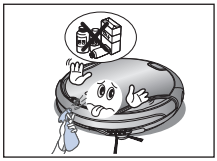
- In this case, sweep up the dust with another cleaning tool.

CLEANING AND MAINTENANCE

CAUTION

When cleaning the product, do not spray water directly onto the exterior or wipe it with a volatile material such as benzene, thinner or alcohol.

- This may result in critical damage to the product.



CAUTION

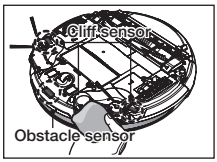
The unit must not be disassembled or reconstructed by anyone other than a qualified service engineer.

- This may result in damage to the product.

WARNING

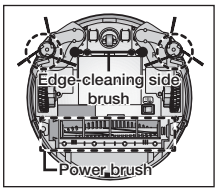
Remove any foreign substances accumulated on the Obstacle and Cliff sensors on a regular basis.

- Dirt accumulated on the sensors will result in inaccurate functioning of the sensors.



⚠ WARNING **When removing foreign substances, always use the cleaning brush after turning the Power Switch off.**

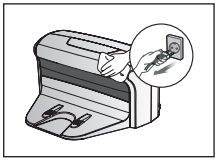
- Failing to do so may result in sudden operation of the unit and cause an injury or critical damage to the product.



⚠ WARNING **If the power cord is damaged, have it replaced by a qualified service engineer from the customer care center.**

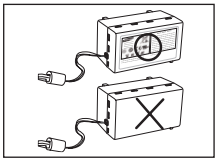
- Failing to do so may result in fire or electric shock.

⚠ WARNING **Before cleaning the charger, make sure to disconnect the power cord for safety.**



⚠ WARNING **Contact the Samsung Electronics customer care center to replace the battery.**

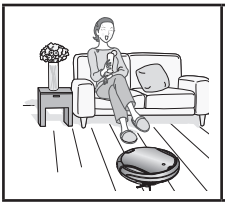
- Failing to use original batteries will result in product failure.



product features

CONVENIENT VIRTUAL GUARD FUNCTION

You can confine the vacuum cleaning robot to a particular section by using the Fence (virtual wall) mode.



- **What is ceiling shape recognition (Visionary mapping plus™)?**

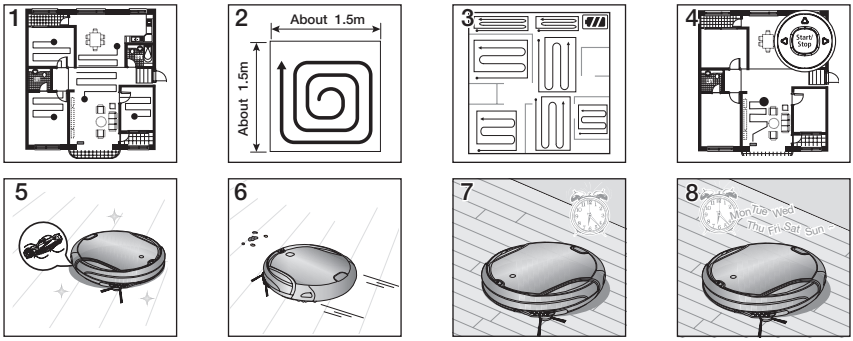
This function recognizes the shape of the ceiling using the camera on top to identify the area to be cleaned and determines the best way to pass over and clean every section of the floor.

DELICATE CLEANING OF EVERY CORNER

Since the vacuum cleaning robot cleans the floor in a sequential way (⇄) along the map determined by the ceiling shape recognition function, it cleans every corner of the floor.

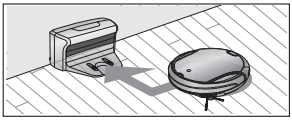
VARIOUS CLEANING MODES

Various cleaning modes are provided to meet all your needs.



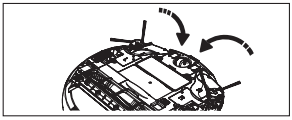
1. **Auto Mode :** Cleans all rooms automatically.
2. **Spot Mode :** Cleans a localized area intensely. It can be used to clean bread or cookie crumbs.
3. **Max Mode :** Runs until the battery is nearly depleted.
4. **Manual Mode :** You can clean the floor manually by moving the cleaning robot.
5. **Turbo Mode :** Since the power brush rotates at maximum speed in this mode, the product will clean more effectively.(You can switch the mode with the remote control.)
6. **Dust Sensor Mode :** When dust enters the vacuum cleaner, the vacuum cleanin robot starts to clean its surroundings intensively. (You can operate this with the remote control.)
7. **Timer Mode :** At the specified time, the cleaning robot cleans the floor.
8. **Weekly Schedule Mode :** A scheduled cleaning operation starts from the set time of a particular day of the week.

AUTO CHARGING



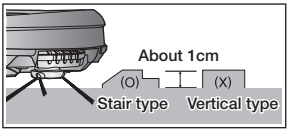
When the battery is low, the vacuum cleaning robot is automatically guided to the charger to enable it to perform a quick auto charge.

EDGE-CLEANING SIDE ROTATING BRUSH



The edge-cleaning side rotating brush cleans dust from the edges.

DOORSILL CROSSING

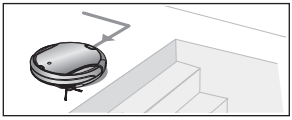


The vacuum cleaning robot innovative driving system makes it possible for it to cross over doorsills with a height of about 1cm and clean all rooms. The vacuum cleaning robot may not be able to pass a 1cm doorsill depending on the shape of the doorsill.

AVOIDING OBSTACLES

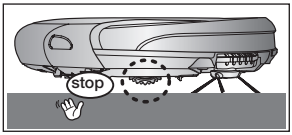
When the vacuum cleaning robot encounters an obstacle while cleaning, the obstacle sensor allows the cleaner to avoid it and continue cleaning. (It may happen that the cleaner touches thin or fine obstacles.)

ANTI-FALLING



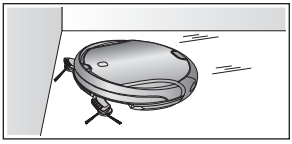
The 3 Cliff sensors detect downward steps such as stairs or the front door threshold to prevent vacuum cleaning robot from falling down stairs.

SAFETY DEVICE



When the vacuum cleaning robot is lifted up while cleaning, the driving wheels, power brush, suction motor, and side rotating brush are stopped autonati(all) by sensor.

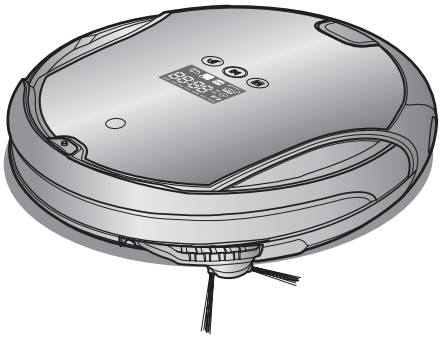
DYNAMIC SIDE BRUSH



When the cleaning robot detects an obstacle, the Dynamic Side Brushes operate. (For a better cleaning result, if a far-away obstacle is detected, the Dynamic Side Brush on the side of the detected obstacle starts to operate first and then as the cleaning robot turns, the Dynamic Side Brush on the other side starts to operate.)

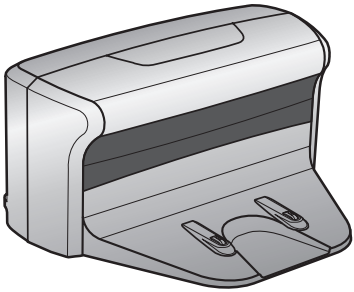
assembling the cleaner

COMPONENTS



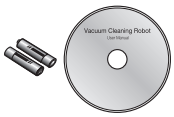
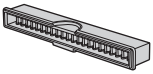
■ Main Body

■ Remote Control

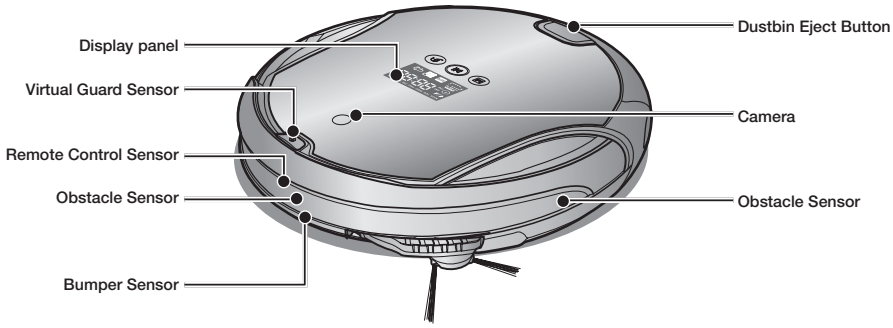


■ Charger (Station)

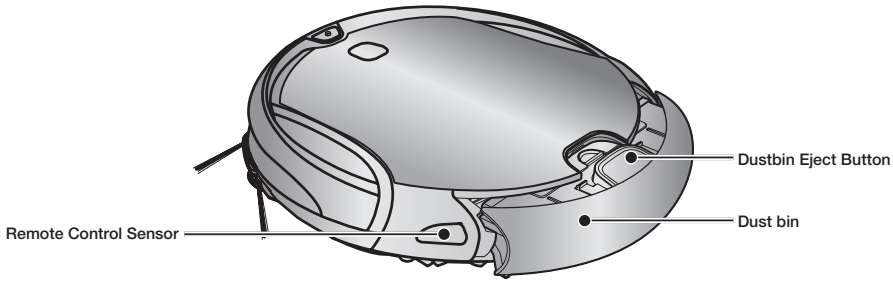
■ Others Components

(AAA-Type Batteries) 				
User Manual (CD-ROM) / 2 Battery	**VIRTUAL GUARD**	**Spare Filter**	**Cleaning Brush**	**Quick Start Guide**

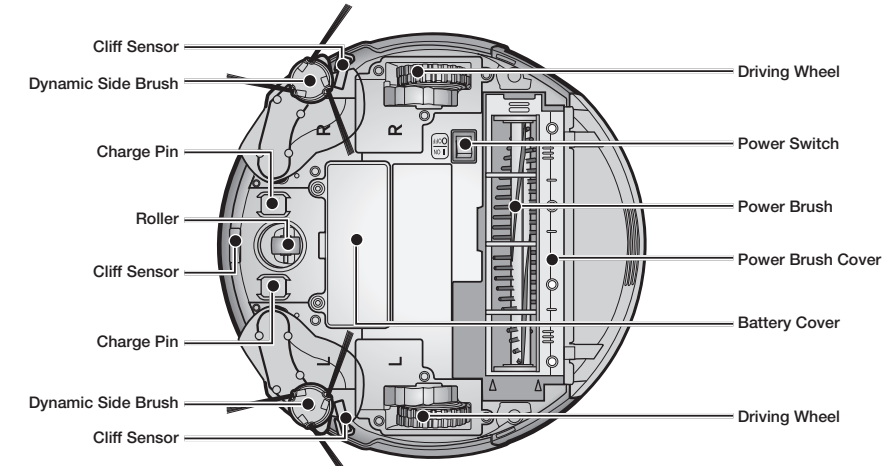
■ Main unit



Front

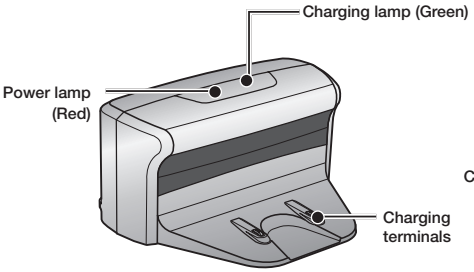


Side

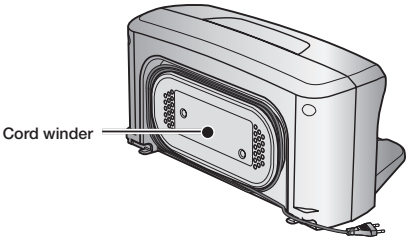


Bottom

■ Charger (Station)

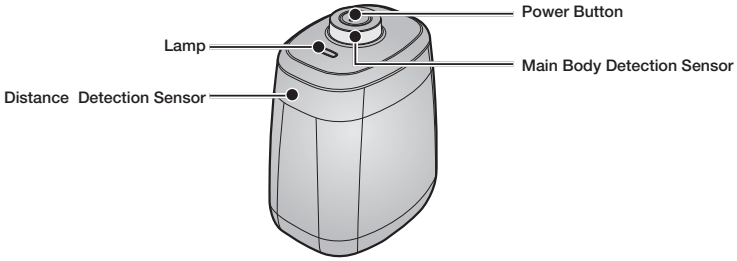


Front



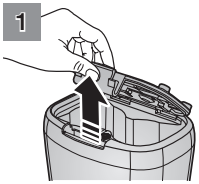
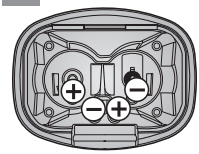
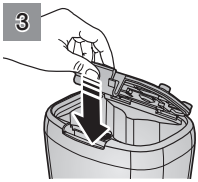
Back

■ VIRTUAL GUARD



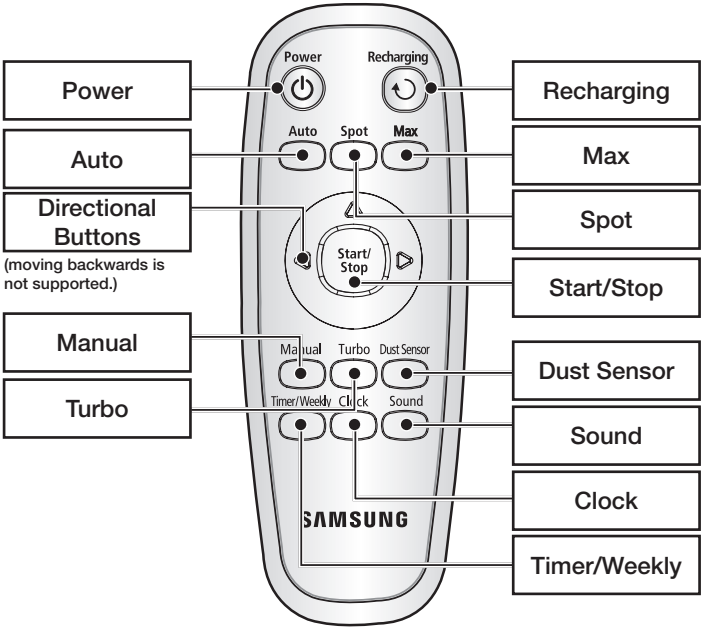
■ Installing the batteries

Batteries are not supplied with the product. You have to purchase the batteries separately. Install the alkaline batteries (type D) before use.

1	2	3
		
Lift the cover of the VIRTUAL GUARD while pressing the locking tab.	Install the batteries into the VIRTUAL GUARD as shown by the figure below. (If the batteries are installed with the incorrect polarity, the VIRTUAL GUARD will not work.)	After inserting the tip of the cover into the slot, push the other end to close it until it clicks into place.

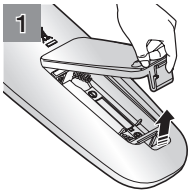
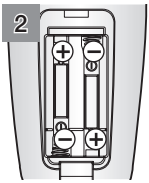
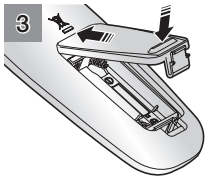
❊ Specification: Alkaline Type D (LR20) batteries

■ Remote Control



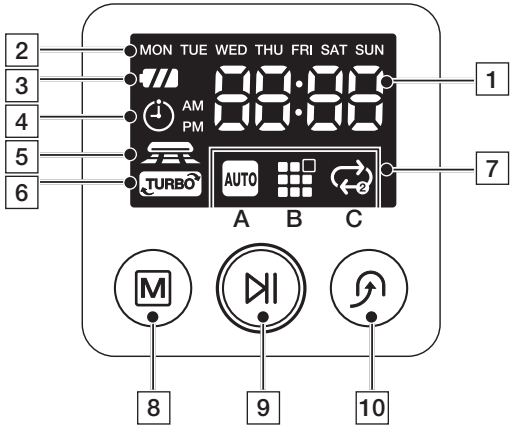
■ Installing the Remote Control Batteries

Batteries are not installed in the remote control when purchasing the product.
Install the batteries (type AAA) before use.

1	2	3
		
Lift the battery compartment cover at the back of the remote control, while pressing the locking tab.	Install the batteries into the remote control as shown by the figure below. (If the batteries are installed with the wrong polarity, the remote control will not work.)	After inserting the tip of the cover into the slot, push the other end to close it until it clicks into place.

✻ Specification: AAA type batteries

■ Display panel



DISPLAY PART

1. **Number Display**
   - Shows the timer display, progress status, and error codes using numbers, letters and graphics.
2. **Weekly Reservation**
   - When you set a weekly reservation to start cleaning from the specified time on the specified day of the week, the icon for the selected day of the week is turned on.
3. **Battery Level Indicator**
   - Charging : Shows the charging progress in 3 steps.
   - In Use : Shows the battery charge level. The battery charge level is reduced by each level from FULL while operating. (When the battery is fully discharged, one level will flash to display “Lo”.)
4. **Timer**
   - When cleaning is scheduled, the Timer icon is lit.
5. **Dust Sensor Mode**
   - This icon turns on when Dust Sensor mode is enabled.
6. **Turbo Mode**
   - This icon turns on when Turbo mode is enabled.
7. **Cleaning Mode Display**
   - Each time the Cleaning Mode button is pressed, the corresponding cleaning mode is displayed.

   (A) Auto Mode : This icon turns on when Auto cleaning mode is selected.
   (B) Spot Mode : This icon turns on when Spot cleaning mode is selected.
   (C) Max Mode : This icon turns on when Max cleaning mode is selected.

BUTTON PART

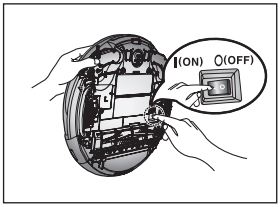
8. **Cleaning Mode**
   - Press to select a cleaning mode. After selecting a cleaning mode, press the ⏯ button to start cleaning.
9. **Start/Stop**
   - Press to start/stop cleaning.
10. **Recharging**
    - When this button is pressed, The cleaning robot will return to the charger station to charge its battery.

INSTALLING THE VACUUM CLEANING ROBOT

Installation order

1. **Turning the Power Switch on or off**
   To use the vacuum cleaning robot, you must turn on the Power Switch at the bottom of the main unit.
2. **Installing the Charger**
   To charge the vacuum cleaning robot, you must first install the charger. Since the battery is discharged when the product is purchased, you must fully charge the battery before use.
3. **Charging the Battery**
   You should charge the battery completely before using the vacuum cleaning robot.
4. **Setting the Time**
   You should set the time to use the scheduled and daily cleaning options.
5. **Installing the VIRTUAL GUARD**
   You can confine the vacuum cleaning robot to a particular section by using Fence (virtual wall) mode.

Turning the Power Switch on or off

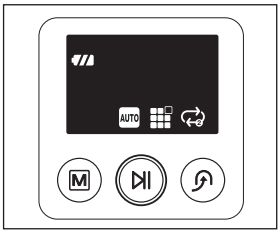


To use the vacuum cleaning robot, you must turn the Power Switch on.

If you turn off the Power switch, all settings except for the current time and the Weekly reservations are reset.

✻ If no key is pressed for approximately 1 minute after turning the power on, the power is automatically cut to prevent the battery discharging.

To turn the power on again, press and hold the power (⏯) button on the main body.

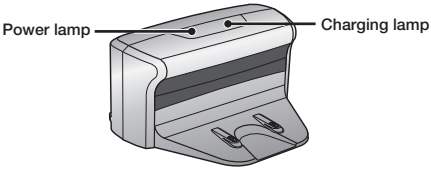


1. **Lift the body and turn on the power switch while making sure not to press any other button.**

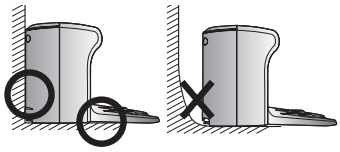
- If the icons are not turned on, it indicates that the battery charge is depleted. In this case, dock the vacuum cleaning robot to the charger station after turning the Power Switch on.
- The configured time may be different from the current time. If the configure time is incorrect, set the time to the current time.

⚠ CAUTION If the Power Switch is turned off, the vacuum cleaning robot will not be charged even if it is docked with the charger station.

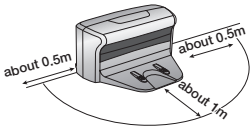
Installing the charger



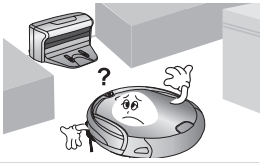
1. Install the charger on a flat surface.



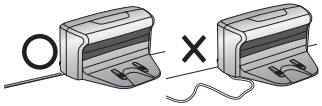
2. There should be no obstacles and cliffs 0.5m to the left and right and within 1 m of the front.



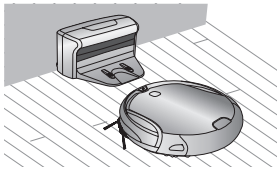
3. Install the charger in a location where it can be easily accessed by the vacuum cleaning robot.



4. Arrange the power cord along the wall.



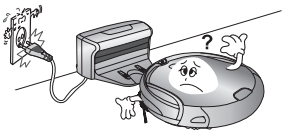
5. When the floor is made of wood, install the charger in the same direction as the grain of the wood.



NOTE

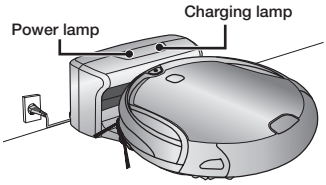
Always keep the power cord of the charger plugged into the power outlet.

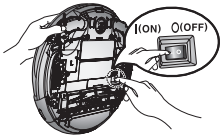
- If no power is supplied to the charger, the vacuum cleaning robot will not be able to find the charger and will not be able to charge automatically.
- If the vacuum cleaning robot is separated from the charger, the battery is automatically discharged.



Charging

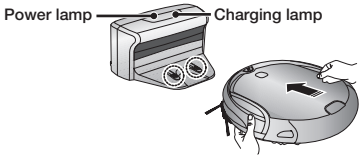
When the product is initially purchased, the battery is fully discharged, and you must charge the vacuum cleaning robot manually.



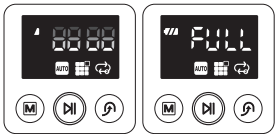


Turn on the Power Switch at the bottom of the product.

1. After aligning the charge pins of the main unit with the charge pin of the charger station, press the main unit until you hear a Recharging power sound from the charger.
- The Charging Lamp turns green.



2. Check the charge status of the vacuum cleaning robot.
- When charging starts, "the amount of remaining battery power" and " 88:88 " are displayed on the status display panel in this sequence.
- When charging is complete, the battery level indicator and "FULL" will be displayed in the display panel.



Charging | Fully charged

- When the battery level display flashes while cleaning, the vacuum cleaning robot stops vacuuming and automatically charges itself at the charger.
- If the vacuum cleaning robot starts the current cleaning run at a location other than the charging station and fails to locate the charging station while cleaning, it will stop near the location where it started cleaning.
- When the battery level flashes and "Lo" is displayed while cleaning, vacuum cleaning robot cannot be operated by the remote control or the buttons on the main unit. In this case, directly carry the vacuum cleaning robot to the charger to charge the battery. (This is when the battery is completely discharged.)

<Charge display>

Charge complete | Charging | Required charging

NOTE

- When the product is initially purchased, it will take about 180 minutes to fully charge the battery and will run for about 100 minutes.
- When charging the battery while the battery is over-heated, the charging time can increase.
- Measures to take when charging is not smooth.
  When the vacuum cleaning robot cannot be automatically charged, check the following:
  - Turn the Power Switch at the bottom of the vacuum cleaning robot off and on.
  - Re-plug the power of the charger.
  - Check whether there are any foreign substances on the charge connector and wipe the charge connector on the main unit and the charger with a dry cloth.
  - Check whether there are objects near the charger that are strong reflectors.
- When separating the vacuum cleaning robot from the charger, it will discharge naturally.
  - Charge the vacuum cleaning robot through the charger, if possible. (When leaving your home unattended for a long period of time due to a business trip, travelling etc., turn off the Power Switch of the vacuum cleaning robot and unplug the power of the charger to store them.)

About the Battery

- The vacuum cleaning robot is powered by an environment-friendly Lithuim-ion (Li-ion) rechargeable battery, and an over-charge prevention function guarantees an extended life time.
- **The battery warranty period is 6 months from the date of purchase.**
- When purchasing a battery, ask the customer care center for the genuine part symbol (SAMSUNG) and model number before purchasing it.

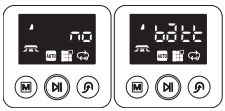
- This battery is only for Samsung vacuum cleaning robot. It is strictly prohibited to use it for other appliances or for other purposes.
- Do not disassemble or modify the battery.
- Charge it in a location with good ventilation.
- Do not expose the battery to fire and do not heat it.
- Do not connect any metallic objects to the (+) or (-) terminals of the battery.
- Keep it indoors (0°C~40°C).
- Before you discard product, dispose of batteries in an environmentally safe manner.
- Do not discard this batteries with your regular household trash.
- Follow all local regulations when disposing of old batteries.

* If the battery is out of order, do not disassemble it. Contact your nearest customer care center.
* An increased charging time and a shorter battery life indicates the near end of the battery life. Please contact an authorized customer care center to replace your battery.

The rechargeable battery incorporated in this product is not user replaceable.
For information on its replacement, please contact your service provider.

Battery check code and countermeasure

- If the " nobAtt " message scrolls when the ⏯ button on the main body or the ⏻ remote control button is pressed while the robot is docked to the charging station, it indicates a defective or open-circuited battery. In this case, please contact the service center.

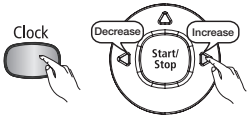
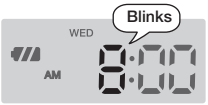
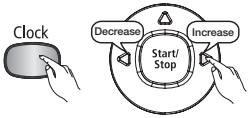
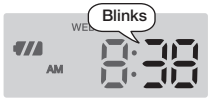
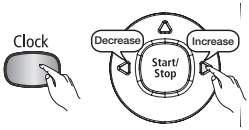
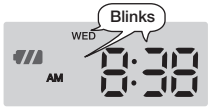


(scrolls)

Setting the Time

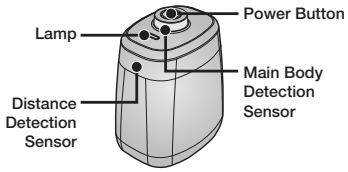
The clock displays the current time. You can change the current time with the following steps.

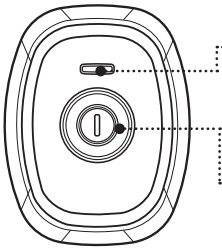
■ You can only set the time using the remote control.

	Remote Control	Configuration Sequence
		1. Press the Clock button. - The current time is displayed.
		**2.** Press the Clock button. - The day of the week will blink. Press the ◁ or ▷ button to set the day of the week.
		**3.** Press the Clock button. Press the ◁ or ▷ button to set the hour.
		**4.** Press the Clock button. Press the ◁ or ▷ button to set the minutes.
		**5.** Press the Clock button. - The value you set will blink and the settings are completed.
Canceling the Settings	- Press the Start/Stop button to cancel the settings and exit Time Set mode.	
Remote Control	- If there is no input for 1 minute while you are setting the time, the cleaner exits Time Set mode automatically.	

Installing the VIRTUAL GUARD

You can confine the vacuum cleaning robot to a particular section by using Fence (virtual wall) mode.





Button operations

1. Lamp operations

- Fence (virtual wall) Mode: The red lamp flashes.
- Off :The lamp is turned off.

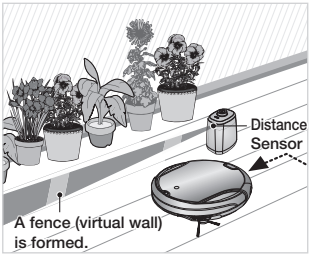
2. Turn the Power Button on

- Whenever you press the Power button, Fence (virtual wall) mode → Power off is selected in this sequence.

※ The distance of virtual wall is 2.5m at minimum and may differ depending on surroundings and movement status of the robot.

Forming a Fence (virtual wall)

VIRTUAL GUARD creates an invisible barrier that the vacuum cleaning robot cannot cross.
E.g. in front of pots, furniture, the front door, and so on.



1. Turn the Fence (virtual wall) mode on using the Power button.

- The mode lamp flashes red.

2. Install the VIRTUAL GUARD in front of the area you want to block access from the vacuum cleaning robot.

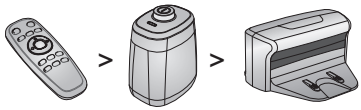
- Install the VIRTUAL GUARD so that the distance detection sensor can form an invisible barrier that the vacuum cleaning robot cannot cross.

About the IrDA sensor

CAUTION

- The infrared signal transmission may not be smooth in locations exposed to halogen lamps or in outdoor locations.
- Vacuum cleaning robot uses 3 types of infrared devices and a device may not work in front of another device with a higher priority.
- When controlling the vacuum cleaning robot with the remote control, the vacuum cleaning robot may cross the virtual fence of the VIRTUAL GUARD or run against an obstacle, because the remote control signal has a higher priority than the VIRTUAL GUARD signal.
- When using the vacuum cleaning robot in a small location or at a close distance, it may malfunction due to interference of the infrared signals.
- Install the VIRTUAL GUARD away from the charger as auto charging may be interrupted if the VIRTUAL GUARD is near the charger.
- If more than one vacuum cleaning robot is used simultaneously, they may malfunction due to interference of the infrared signals.

[Infrared Signal Priority]



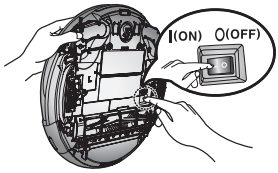
Remote Control > Virtual guard > Charger

USING THE VACUUM CLEANING ROBOT

Starting/Stopping Cleaning

You can run or stop all vacuum cleaning robot functions.

- Each vacuum cleaning robot function only runs when the Power Switch is turned on.
- When the vacuum cleaning robot is operating, press the (⏯) button to cancel the operation and select a function.



Turning the power on or off

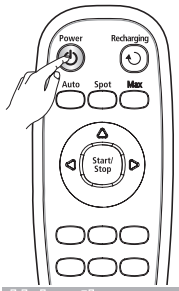
Turning the power on

- Main unit: Press the (⏯) button.

Turning the power off

- Remote control: Press the (⏻) button.
- Main unit: Press and hold the (⏯) button down for 3 seconds.

✻ If no key is pressed for approximately 1 minute after turning the power on, the power is automatically cut to prevent the battery discharging. To turn the power on again, press and hold the power (⏯) button on the main body.



Using the remote control

Starting or stopping cleaning

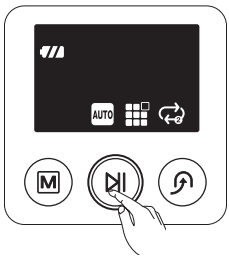
Starting

- Remote control : Press the Auto, Spot, Max, Manual button.
- Main unit : Select Auto, Spot, Max mode by using the (Ⓜ) button and then pressing the (⏯) button.
- When cleaning begins, the vacuum cleaning robot starts to move.

✻ Pressing the (⏯) button without selecting cleaning mode starts to perform the Auto mode cleaning.

Stopping

- To stop, press the (⏯) remote control or main unit button.
- When cleaning is stopped, the vacuum cleaning robot stops.

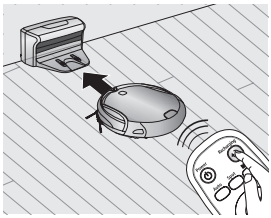


Using the main unit buttons

Recharging

You can have the vacuum cleaning robot return to the charger to charge the battery by using the Recharging button.

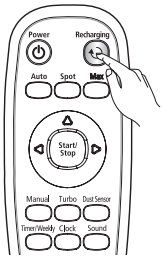
■ When the vacuum cleaning robot is operating, press the (⏯) button to cancel the operation and press the Recharging button.



1. Press the Recharging button.
- (“ C3C3 ”) is displayed on the display panel and the vacuum cleaning robot returns to the charging station for recharging.

2. To stop the vacuum cleaning robot while it is returning to the charger, press the (⏯) button.

3. To test the auto charge function, press the Recharging button when the vacuum cleaning robot is less than 1.5m from the charger.

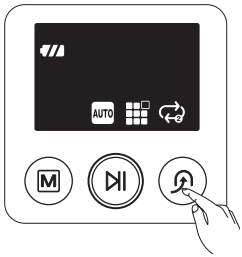


Using the remote control

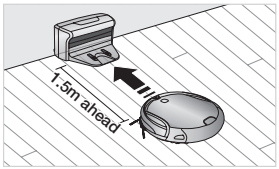
Troubleshooting when the vacuum cleaning robot does not return to the charger

- Check the installation of the charger
- When the charger is in a location where the charger cannot guide the vacuum cleaning robot to the charger.
- When the charger is more than 5m away from vacuum cleaning robot.
  : It may require a longer time for the vacuum cleaning robot to return to the charger.

■ Manually charge the vacuum cleaning robot in the following cases.
- When the charger is installed in a corner.
- When the battery is fully discharged.
- When the vacuum cleaning robot is trapped by an obstacle (furniture etc.)
- When the vacuum cleaning robot cannot pass over the doorsill to the location where the charger is installed.

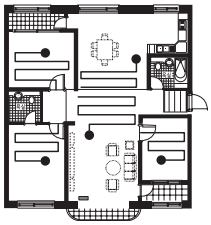


Using the main unit buttons

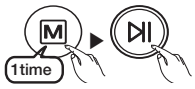


Auto Cleaning

The vacuum cleaning robot will move by itself and automatically clean the house until cleaning is completed once.

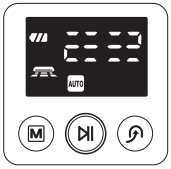


- If you press the Start/Stop button on the main unit or remote control without selecting a cleaning mode, an automatic cleaning run starts.
- If cleaning begins when the vacuum cleaning robot is docked with the charger station, the time to return to the charger is decreased since the vacuum cleaning robot remembers its original position while moving.
- If the vacuum cleaning robot starts the current cleaning run at a location other than the charging station and fails to locate the charging station while cleaning, it will stop near the location where it started cleaning.
- If the battery level becomes too low while cleaning, the vacuum cleaning robot will automatically return to the charger station and resume cleaning after charging its battery. (Number of cleaning operations resumed : Once)

Main unit button	Remote control button	Configuration Sequence
		**1.** Set the mode.
		2. Cancel the mode.

Normal Mode

Turbo Mode



Dust Sensor Mode

Cleaning Complete

About the Resume Cleaning function

NOTE

- If the vacuum cleaning robot has evaluated that cleaning is complete, the resume cleaning function is not performed.
- If you move the vacuum cleaning robot when it is being charged or press a button, the vacuum cleaning robot judges cleaning to be complete and does not resume cleaning.

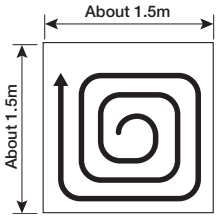
CAUTION

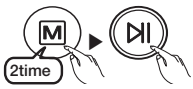
- Do not move the vacuum cleaning robot when it is cleaning or press a button while it is cleaning. Otherwise, the vacuum cleaning robot judges cleaning to be complete and starts cleaning again from the beginning.
- Each time you press the Turbo button, the Turbo icon on the display panel is turned on or off sequentially. When the Turbo icon is turned on, you can start cleaning in Turbo mode.
- Each time you press the Dust Sensor button, the Dust Sensor icon on the display panel is turned on or off sequentially. When the Dust Sensor icon is turned on, you can start cleaning in Dust Sensor mode.

Spot Cleaning

You can conveniently clean a specific area that has a a lot of cookie crumbs, dust, and etc.

■ Move the vacuum cleaning robot to the location where you want to perform a spot clean.

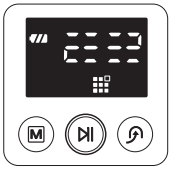


Main unit button	Remote control button	Configuration Sequence
		**1.** Set the mode.
		2. Cancel the mode.

- In Spot cleaning mode, the vacuum cleaning robot cleans an area with a length of 1.5m and a width of 1.5m.
- When cleaning is completed, the vacuum cleaning robot will display End, Stop, and Stand by.

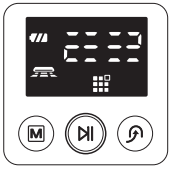
NOTE When the vacuum cleaning robot is docked with the charger station, spot cleaning is not supported.

CAUTION
- Each time you press the Turbo button, the Turbo icon on the display panel is turned on or off sequentially. When the Turbo icon is turned on, you can start cleaning in Turbo mode.
- Each time you press the Dust Sensor button, the Dust Sensor icon on the display panel is turned on or off sequentially. When the Dust Sensor icon is turned on, you can start cleaning in Dust Sensor mode.



Normal Mode

Turbo Mode

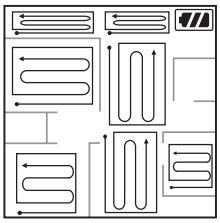


Dust Sensor Mode

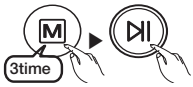
Cleaning Complete

Max Cleaning

The vacuum cleaning robot automatically moves and cleans until the battery runs out and the battery level flashes only one level.



- If cleaning begins when the vacuum cleaning robot is docked with the charger station, the time to return to the charger is decreased since the vacuum cleaning robot remembers its original position while moving.
- If the vacuum cleaning robot starts the current cleaning run at a location other than the charging station and fails to locate the charging station while cleaning, it will stop near the location where it started cleaning.
- If the battery level becomes low while cleaning, the vacuum cleaning robot automatically returns to the charger station and resumes cleaning after charging the battery. (Number of resumed cleaning operations: Once)

Main unit button	Remote control button	Configuration Sequence
 2 times in charging mode		**1.** Set the mode.
		2. Cancel the mode.

Normal Mode

Turbo Mode

Dust Sensor Mode

About the Resume Cleaning function

NOTE

- If the vacuum cleaning robot judges cleaning to be complete, resume cleaning is not performed.
- If you move the vacuum cleaning robot while it is being charged or press a button, vacuum cleaning robot judges cleaning to be complete (cleaning is not resumed).

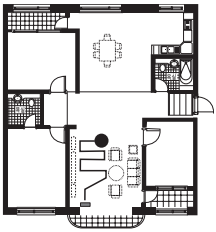
CAUTION

- Do not move the vacuum cleaning robot while it is cleaning or press a button while cleaning. Otherwise, the vacuum cleaning robot judges cleaning to be complete and starts cleaning again from the beginning.
- Each time you press the Turbo button, the Turbo icon on the display panel is turned on or off sequentially. When the Turbo icon is turned on, you can start cleaning in Turbo mode.
- Each time you press the Dust Sensor button, the Dust Sensor icon on the display panel is turned on or off sequentially. When the Dust Sensor icon is turned on, you can start cleaning in Dust Sensor mode.

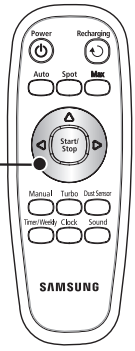
Manual Cleaning

You can move the vacuum cleaning robot to clean a particular location directly by using the remote control.

- Move the vacuum cleaning robot to the location where you want to perform manual cleaning.
- You can manually clean using the remote control only.



Remote control button	Configuration Sequence
	1. Set the mode.
	2. Cancel the mode.



Directional Buttons (Forwards, Left, Right) A backwards function is not supported.

NOTE

- When the vacuum cleaning robot is docked with the charger station, manual cleaning is not supported.
- If there is no input for about 1 minute to switch to standby mode.

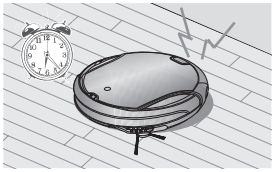
CAUTION

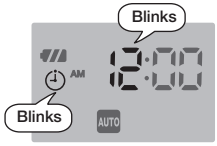
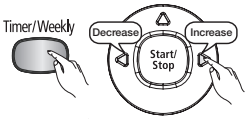
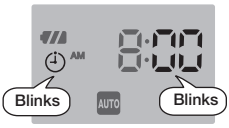
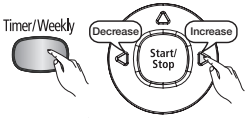
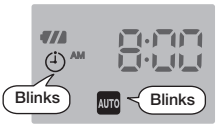
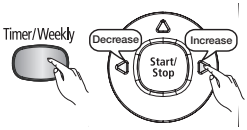
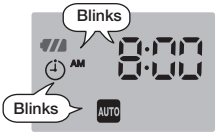
- Each time you press the Turbo button, the Turbo icon on the display panel is turned on or off sequentially. When the Turbo icon is turned on, you can start cleaning in Turbo mode.
- Each time you press the Dust Sensor button, the Dust Sensor icon on the display panel is turned on or off sequentially. When the Dust Sensor icon is turned on, you can start cleaning in Dust Sensor mode.

Timer Reservation

In this mode, you can schedule the cleaner to start a once-off cleaning run from a particular time.

■ A scheduled cleaning run is only performed when the cleaner is docked to the charger station.

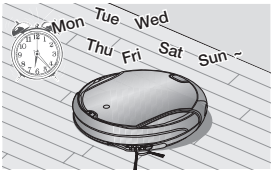


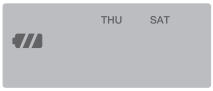
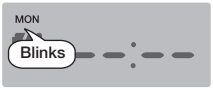
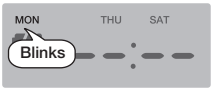
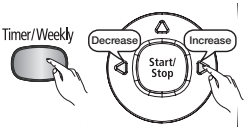
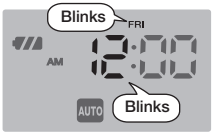
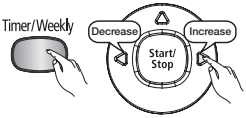
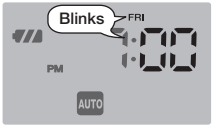
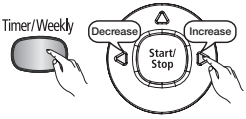
	Remote Control	Configuration Sequence
		**1.** Press the Timer/Weekly button. - The current setting is displayed and ⏲ blinks. Press the ◁ or ▷ button to set the hour. ✻ Cleaning Mode - If there is no previous reservation, the cleaning mode is set to Auto mode. If a reservation exists, cleaning mode is set to the configured mode.
		**2.** Press the Timer/Weekly button. - The time increases/decreases by 5 minutes. Press the ◁ or ▷ button to set the minutes.
		**3.** Press the Timer/Weekly button. Press the ◁ or ▷ button to set the cleaning mode. - You can select either Auto or Max cleaning mode.
		**4.** Press the Timer/Weekly button. - The value you set will blink and the settings are completed. - When the settings are completed, the configured time and ⏲ are displayed.
Canceling the Settings	- If you press the Start/Stop button while the cleaner is charging or you are setting the time, the settings are canceled. - Please take note that the settings are canceled if the cleaner is detached from the charger station.	
Timeout	- If there is no input for 1 minute while you are setting the time, the cleaner exits Time Set mode automatically.	

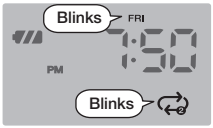
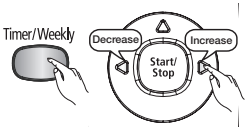
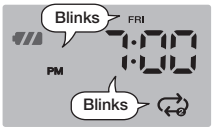
Weekly Reservation

In this mode, you can schedule the cleaner to start a once-off cleaning run from the specified time on the specified days of the week.

■ A scheduled cleaning run is only performed when the cleaner is docked to the charging station.



	Remote Control	Configuration Sequence
		Standby mode - In Standby mode, the scheduled days of the week are displayed.
When there is no reservation  When there is a reservation 		**1.** Hold down the Timer/Weekly button for more than 3 seconds. Press the ◁ or ▷ buttons to set the day of the week. - If there is no reservation set previously, the current day of the week is displayed. - If there is no scheduled time, --:-- is displayed.
		**2.** Press the Timer/Weekly button. Press the ◁ or ▷ buttons to set the hour. ❊ If there is a scheduled hour, it is displayed. ❊ Cleaning Mode - If there is no reservation set previously, the cleaning mode is set to Auto mode. If there is a reservation, it is set to the configured mode.
		**3.** Press the Timer/Weekly button. - The time increases/decreases by 5 minutes. Press the ◁ or ▷ button to set the minutes.

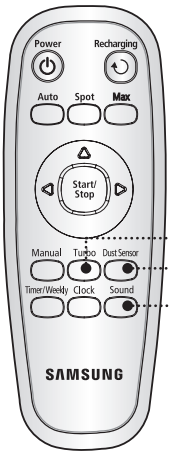
	Remote Control	Configuration Sequence
		**4.** Press the Timer/Weekly button. Press the ◁ or ▷ button to set the cleaning mode. - You can select either Auto or Repeat cleaning mode.
		**5.** Press the Timer/Weekly button. - The value you set blinks and the settings are completed. ❊ After the settings are completed, the day of week you have set blinks. At this time you can move to step (**2**) and add another day of the week.
Canceling the Settings	- If you press the Start/Stop button while you are making a weekly reservation, the reservation for the currently set day of the week is canceled. Then if you press the button again, the cleaner exits reservation setting mode.	
Timeout	- If there is no input for 1 minute while setting the time, the cleaner exits the reservation setting mode automatically.	

ADDITIONAL FUNCTIONS

Using additional functions

You can use the cleaning robot more easily and conveniently using various additional functions.

■ You can only configure the additional functions with the remote control.



Turbo Mode

Each time you press the Turbo button, the Turbo icon on the display panel is turned on or off sequentially.

On turbo (Turbo Mode) : The power brush rotates at maximum speed.

Off turbo (Normal Mode) : The power brush rotates at normal speed.

Dust Sensor Mode

Each time you press the Dust Sensor button, the Dust Sensor icon on the display panel is turned off or on sequentially.

Dust Sensor Mode On : In Auto cleaning mode, when the vacuum cleaner senses that dust has entered a specific area, the cleaner rotates and changes direction to clean that area, and then after cleaning that area, resumes its previous course. In Spot, Max, Manual mode, when the vacuum cleaner senses that dust has entered a specific area, the boost continues to operate for several seconds.

Dust Sensor Mode Off : The cleaner does not sense the dust entering and continues to drive as set in the selected cleaning mode.

Selecting a Sound Effect

Press the Sound select button to select a sound effect.

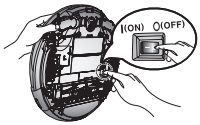
■ Each time you press this button, Sound Effects → Mute is selected in this sequence.

- **Sound Effects :** Plays sound effects.
- **Mute :** Plays no sound or announcements.

CLEANING THE VACUUM CLEANING ROBOT

Please keep the cleaning and maintenance methods in mind

- When the Power Switch is damaged, please contact the service agent so that it does not cause any accidents.
- Do not use any means or mechanical devices not installed by the manufacturer that could accelerate the deformation of the vacuum cleaning robot.

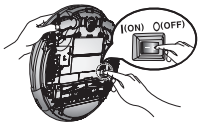


- Always turn off the power switch at the bottom of the main unit before cleaning the vacuum cleaning robot. The vacuum cleaning robot could operate suddenly and cause an injury.

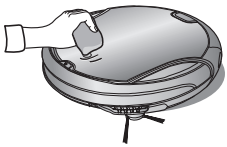
Cleaning the Sensor Window and the Camera

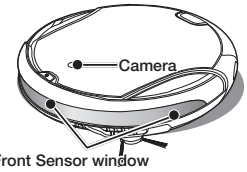
You must turn off the Power Switch at the bottom of the main unit before cleaning the vacuum cleaning robot.

- Never spray water, thinner, benzene etc. directly onto the main unit of vacuum cleaning robot.

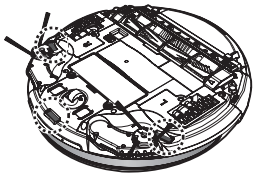


- Lightly wipe the sensor window or camera using a soft cloth.

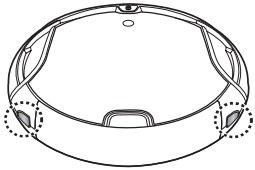




Front Sensor Window and Camera



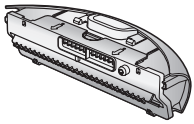
Cliff Sensor Window



Rear Sensor Window

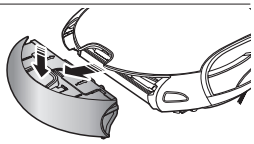
Cleaning the Dust Bin and the Filters

First, empty the dust bin before cleaning it.

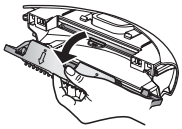


- When separating the dust bin, take care not to spill the dust out of the dust bin.
- Empty the dust bin in the following cases.
  1. When dust has accumulated inside the dust bin.
  2. When the suction power suddenly becomes weak.
  3. When the noise suddenly increases.

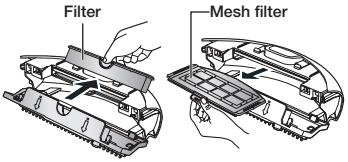
1. Press the Dust Bin Eject (PUSH) button and pull the dust bin to separate the dust bin.



2. Separate the dust bin cover by pulling it in the direction of the arrow in the figure.



3. Remove the filter and the mesh filter from the dustbin.



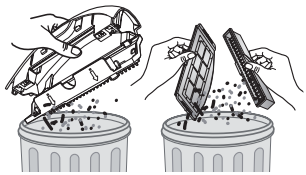
4. Shake the dust from the filter, Mesh filter and dustbin.

❊ You can clean it with water.

NOTE

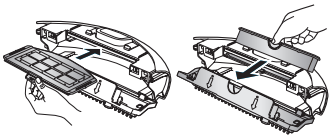
After cleaning it with water :

1. Dustbin : Wipe the water off completely.
2. Filter, Mesh filter : Dry them completely and then reassemble them.



5. Reassemble the filter and mesh filter onto the dustbin.

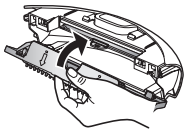
- Assemble the mesh filter while the grid side is facing downward. If the orientation is not correct, you will not be able to assemble it.



CAUTION

If the dustbin is assembled without the filter being mounted, the error code C08 occurs. Make sure to mount the filter.

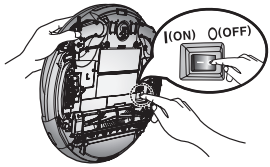
6. Close the dust bin cover and install it into the main unit.



CLEANING THE VACUUM CLEANING ROBOT

Cleaning the Power Brush

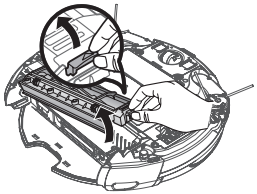
You must turn off the Power Switch at the bottom of the main unit before cleaning the vacuum cleaning robot.



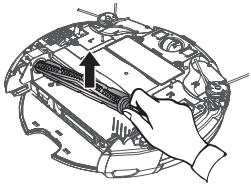
CAUTION

- Because the dust in the dust bin may come out, separate the dust bin first before cleaning the power brush.

1. After checking whether there are any foreign substances, press the hook that is fixing the brush cover to separate it.



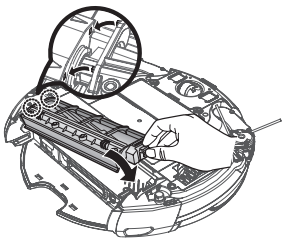
2. Lift the power brush up from the main unit.



3. Remove any foreign substances such as long hairs or strings wrapped around the power brush using a cleaning brush or a vacuum cleaner.

4. After a cleaning run, first fix the side of the power brush opposite to the Power Switch and then fix the other side.

5. Insert the side into the two grooves and assemble it by slightly sliding it down until it clicks into place.

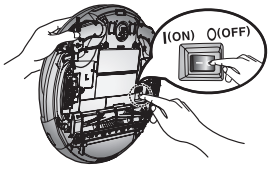


CAUTION

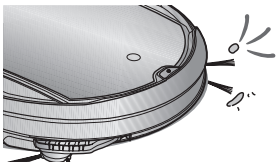
- To prevent the vacuum cleaning robot from becoming clogged, be careful not to vacuum tooth picks or cotton swabs.
- When removing foreign substances becomes difficult, contact a customer care center.
- Because the power brush vacuums the dust on the floor, long strings or hair can become wrapped around the brush. Check and clean the power brush regularly.

Cleaning the Edge-Cleaning Side rotating Brush

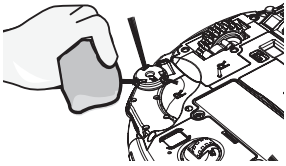
You must turn off the Power Switch at the bottom of the main unit before cleaning the vacuum cleaning robot.



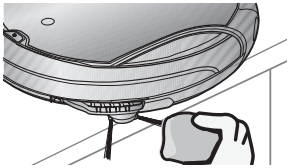
1. Check whether the side rotating brush is bent or whether there are any foreign substances stuck on the brush.



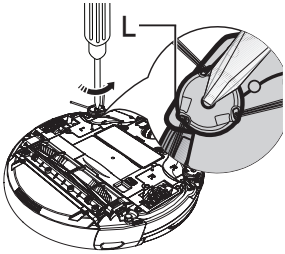
2. Wearing rubber gloves, wrap the side rotating brush with a cloth using hot water for about 10 seconds and wipe it on the cloth.



3. Turning the side rotating brush, repeat the procedures in Step 2.



4. If hair or string is wrapped between the main unit and the side rotating brush, undo the screw of the side rotating brush using a (+) driver to remove it. When reassembling the brush, check the “L” mark on the edge-cleaning side rotating brush and the “L” mark on the main unit and then reassemble the side rotating brush. (Letter “R” is carved at the right side rotating brush.)

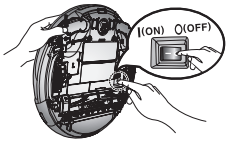


NOTE Because the side rotating brush easily attracts hair and other foreign substances, make sure to clean it frequently.
Excessive foreign substances on the side rotating brush can damage the brush.

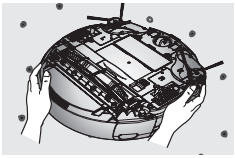
Cleaning the Driving Wheel

You must turn off the Power Switch at the bottom of the main unit before cleaning the robot.

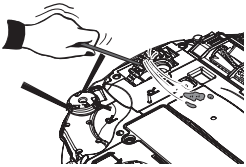
- If the vacuum cleaning robot suddenly starts to zigzag, there may be foreign substances stuck on the driving wheel.



1. When cleaning the driving wheel, place a soft cloth on the floor and flip the main unit, placing it down carefully.



2. Check for foreign substances and remove them using a stick or a pair of blunt nippers if necessary.

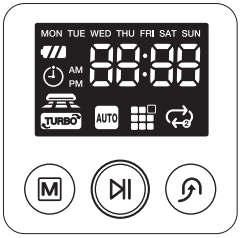


CHECKLIST BEFORE SVC CALLS

Symptom	Checklist	Measure to Take
Vacuum cleaning robot does not operate at all before cleaning.	• Is the dust bin assembled?	• Install the dust bin.
	• Is the Power Switch turned on?	• Turn on the Power Switch.
	• Is cleaning mode AUTO in the display panel turned on?	• Press the ⏯ button. (To turn it off, press and hold the ⏯ button down for 3 seconds or longer.)
	• Is the battery level flashing only one level and is 'Lo' displayed in the display panel?	• Lift up the vacuum cleaning robot, and manually dock the vacuum cleaning robot onto the charger to charge it.
	• Vacuum cleaning robot will not operate when the battery in the remote control is depleted.	• Replace the batteries in the remote control. (AAA type)
Vacuum cleaning robot stopped operating while cleaning.	• Is the battery level flashing only one level and is 'Lo' displayed in the display panel?	• Lift up the vacuum cleaning robot, manually dock the robot onto the charger to charge it.
	• Has the vacuum cleaning robot become hooked on wires on the floor?	• Turn off the Power Switch and remove the wires.
	• Is the vacuum cleaning robot stuck to the floor where there is a height difference? - The driving wheel is lifted.	• Turn off the Power Switch and move the cleaning vacuum cleaning robot to another place to clean.
	• Is there a thin towel (cloth) wrapped around the driving wheel?	• Turn off the Power Switch and remove the thin towel.
	• Is the vacuum cleaning robot stuck on the doorsill?	• Turn off the Power Switch and move the vacuum cleaning robot to another place to clean.
The suction power is weak while cleaning.	• Check whether the dust bin is full of dust.	• Stop the vacuum cleaning robot and empty the dust bin.
	• Check whether the suction inlet is clogged by foreign substances.	• Turn off the Power Switch and remove the foreign substances on the suction inlet.
	• Check whether the filter is clogged.	• Clean the filter well.

Symptom	Checklist	Measure to Take
Vacuum cleaning robot cannot find the charger.	• Check whether the power plug of the charger is plugged correctly into the outlet.	
	• If there are any obstacles within a range of about 1m in front of the charger and about 0.5m range to the left and right of the charger, you should remove the obstacles.	
	• If there are any foreign substances on the change pin, wipe them off with a dry towel.	
	• Is the VIRTUAL GUARD installed near the charger?	• Move the VIRTUAL GUARD to another place so that the vacuum cleaning robot can charge automatically.
Vacuum cleaning robot passes through the VIRTUAL GUARD.	• Are the batteries of the VIRTUAL GUARD worn out?	• Replace the batteries. (2 type D (LR20) alkaline batteries)
	• Is the lamp turned off?	• Check if the VIRTUAL GUARD is turned off and then turn the VIRTUAL GUARD on.
The battery usage time of the VIRTUAL GUARD is too short.	• Are you using manganese drycell batteries?	• Replace the batteries with new alkaline batteries. (2 type D (LR20) alkaline batteries)
The vacuum cleaning robot suddenly performs its cleaning operation in the diagonal direction.	• The vacuum cleaning robot may clean in a diagonal direction in the following cases. - After the vacuum cleaning robot has been charged while placed at an angle in the charger station. - When the vacuum cleaning robot moves to another area by a shortened route after cleaning an area. - When the angle of making contact with an obstacle is not perpendicular (90°). - When the floor is made of tiles or wood.	• The cleaning direction is determined by the initial location. Since it cleans areas by drawing a map, it eventually covers the entire area. (Normal operation) Install the charging station in the direction of the grain of the wood, and start cleaning while the vacuum cleaning robot is docked with the charger station.

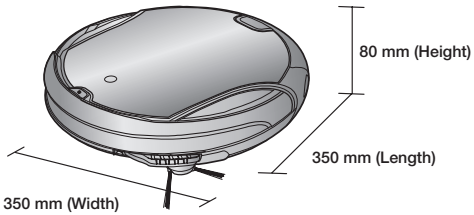
TROUBLESHOOTING FOR ERROR CODES

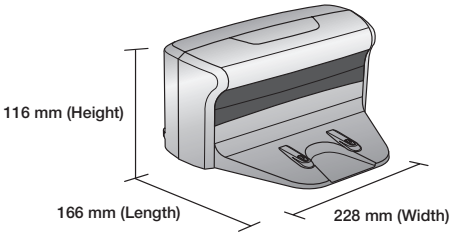


ERROR CODE	CAUSE	SOLUTION
E01	• A foreign substance (string, paper, toy etc.) is caught in the power brush.	• Turn off the Power Switch at the bottom and remove the foreign substance from the power brush.
E02	• A foreign substance (string, paper, toy etc.) is caught in the left driving wheel.	• Turn off the Power Switch at the bottom and remove the foreign substance from the left driving wheel.
E03	• A foreign substance (string, paper, toy etc.) is caught in the right driving wheel.	• Turn off the Power Switch at the bottom and remove the foreign substance from the right driving wheel.
E05	• Check the Bumper sensor.	• Turn off the Power Switch at the bottom, and then remove the obstacle from the front of the vacuum cleaning robot or move it to a different location.
E06	• A foreign substance (dust, stain etc.) is on the Obstacle sensor window.	• Turn off the Power Switch at the bottom and wipe the foreign substance from the front and rear sensor windows using a soft cloth.
E07	• A foreign substance (Dust, stain etc.) is on the Cliff sensor window.	• Turn off the Power Switch at the bottom and wipe the foreign substance on the cilff sensor window with a soft cloth.
E08	• Dust bin not inserted.	• Insert the dust bin until you hear a “Click” sound.
E09	• A foreign substance (String, cloth etc.) is caught on the edge-cleaning side rotating brush.	• Turn off the Power Switch at the bottom and wipe the foreign substance from the edge-cleaning side rotating brush.
nobatt (scrolls)	• The battery is defective or open-circuited.	• Turn off the emergency switch at the bottom of the robot and contact the service center.

✻ If you press the Start/Stop button or turn off the Power Switch, the error code is cleared.

product specification





Main Body	Charger(Station)

Classification	Item	SR10F71UB
Mechanical Specifications	Diameter	350mm
	Height	80mm
	Weight	3.5kg
Electrical Specifications	Power voltage	AC220-240V~, 50-60Hz
	Charge power consumption	40 W
	Main unit power consumption	40 W
	Battery specifications	14.4V / 31.68Wh
Cleaning Specifications	Charging type	Auto Charging/Manual Charging
	Cleaning mode	Auto, Spot, Max, Manual, Timer, Weekly
	Charging time	About 180 minutes
	Cleaning time (on the basis of hard floor)	About 90 minutes
Cleaning method		Ceiling shape recognition
Main unit button type		Touch type

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  (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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When a “work that uses the Library” uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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- **a)** Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable “work that uses the Library”, as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- **b)** Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user’s computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- **c)** Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- **d)** If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- **e)** Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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